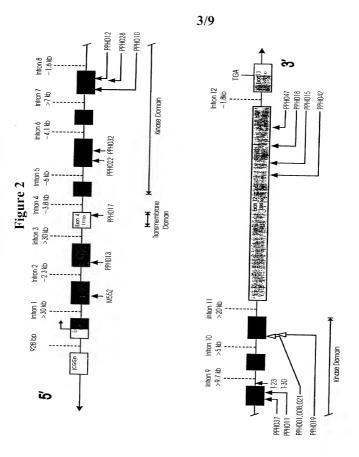
Figure 1-1

EXON 5'	CT TCG		GT CCA	GA GAC	ty Asp CTG ATT	GGA TCT	AT CAT	GTT GGC	GG GAA ly Glu	GCA GTG Ala Val	C AAC
	tttcctttattttag	catattgatttatag	ttigttttcttttag	ttcctgttcttatag	ttaaaacacttgcag	ttttcctctatatag	aaattatccaaacag	actctaatttatcag	tctacaaatccacag	tactttgtcttacag	ctttctttctaag
INTRON (SIZE)	intron 1 (>30 kb)	intron 2 (~2.3 kb)	intron 3 (>30 kb)	introm 4 (~3.8 kb)	intron 5 (~6 kb)	intron 6 (~4.1 kb)	intron 7 (>7 kb)	intron 8 (~1.6 kb)	intron 9 (>9.7 kb)	intron 10 (>5 kb)	intron 11 (>20 kb)
	gtgagtageteegge	gcaagtgatactttc	gtaagtaaagtaacc	gtaaaaattaccatt	gtaagtttgccgtta	gtaagttetteatag	gtaagatagtcaata	gigagigiatacaaa	gtaaaaactactgtc	gtaagaaaaaactaa	gtaagaccctaaggg
EXON 3'	GCT G	CAA G	CTC A Leu S	ACA G	TTG GAG Leu Glu	CCC AAT	GGA G	AGC GAG Ser Glu	CCA G Pro G	AGC CTG Ser Leu	GAA CG
EXON (SIZE)	EXON 1 (>460 bp)	EXON 2 (171 bp)	EXON 3 (171 bp)	EXON 4 (111 bp)	EXON 5 (92 bp)	EXON 6 (231 bp)	EXON 7 (115 bp)	EXON 8 (161 bp)	EXON 9 (148 bp)	EXON 10 (137 bp)	EXON 11 (173 bp)

Figure 1-2

	b)cactttaffff								
	gtaagtggaggatc intron 12 (~1.8 kb)								
	gtaagtggaqqaatc.								
Glu Ar	EXON 12 (1280 bp) CAG A	Gln I	EXON 13 (>251 hn)						

g Asn TA GGT le Gly



Figure

LKETIEDCWDQDAEA RILTAQCAEERMAEL LKETIEDCWDQDAEA R LTAQCAEERMAEL LKETIEDCWDQDAEA W LTAQCAEERMAEL LKETIDDCWDQDAEA RITAQCAEERMAEL LKETIEDCWDQDAEA RITAQCAEERMAEL VCETLTECWDHDPEA RITAQCVAERFSEL VCETLTECWDHDPEA R LTAQCVAERFSEL VCETLTECWDHDPEA RITAQCVAERFSEL LCVTIEDCWDHDAEA R LSAGCVEERVSLI LCETIEECWDHDAEA RLSAGCVGERITQM LCETIEECWDHDAEA R LSAGCVEERIIQM LRELLEDCWDADPEA R LTAECYQQRLAAL LRELLEDCWDADPEA RILTAECWOORLAAL LKKVTEEMWDPEACA RITAGCAFARVWNH LCVIIEECWDHDAEA RLSAGCVEERISQI LKETIEDCWD DAEA RITAQCVEERMAEL AMHR-II [Rattus norregicus] TGFR-II [Rattus Norvegicus] BMPR-II [Xenopus laevis] BMPR-II [Mus musculus] AMHR-II [Homo sapiens] BMPR-II [Homo sapiens] TGFR-II [Mus musculus] BMPR-II [Gallus galius] TGFR-II [Homo sapiens] XSTK3 [Xenopus lacvis] ActR-II [Homo sapiens] ActR-11 [Gallus gallus] DAF4 [C.elogans] ActR-II [sheep]

Figure 4

Family #	#A/#C/#U	Exon #	DNA Sequence Variation	Protein Sequence Variation
PPH001, 008 and 021	4/5/13	=	1471C>T	R491W
PPH010	2/0/1	∞	1099-1103delGGGGA	E368fsX1
PPH015	8/1/9	12	2579delT	N861fsX10
PPH017	3/0/6	4	507-510dclClTTinsAAA	C169X
PPH018	3/2/4	13	2617C>T	R873X
PPH019	*5/0/1	=	1472G>A	R491Q
PPH022	2/0/0	9	690-691de1AGinsT	K230IsX21
PPHOLI		6	1248-1251delATTT	F417X
PPH012		8	994C>T	R332X
PPH013		3	295T>C	C99R
PPI-1028		œ	1097delG	P366lsX8
PPI1032		9	727G>T	E243X
PPI1037		6	1214dclA	D405fsX6
PP11042		12	2441-2442deIAC	H814fsX2
PPH047		13	2695C>T	R899X
M552		2	189-209del21	Del 64-70(STCYGLW)
PPH045		33	296G>A	C99Y
PPH052		3	250T>C	C84R
PPH67-6701		∞	1040G>A	C347Y

+1	1. Max Thr Ser Ser Leu Gin Ang Pro Trip Ang Val Pro Trip Leu Pro Tro Trin
1	
	TACTGAAGGA GCGACGTCGC CGGGACCGCC CACGGGACCG ATGGTACCTG
+1	THE RESERVE THE PASS AND THE SERVE THE CALL AND LOU CAN
51	CATCCTGCTG GTCAGCACTG CGGCTGCTTC GCAGAATCAA GAACGGCTAT
+1	GTAGGACGAC CAGTCGTGAC GCCGACGAAG CGTCTTAGTT CTTGCCGATA
	The second of th
101	GTGCGTTTAA AGATCCGTAT CAGCAAGACC TTGGGATAGG TGAGAGTAGA
+1	CACGCAAATT TCTAGGCATA GTCGTTCTGG AACCCTATCC ACTCTCATCT
151	Ser the Ope Tyr
151	ATCTCTCATG AAAATGGGAC AATATTATGC TCGAAAGGTA GCACCTGCTA
+1	TAGAGAGTAC TITTACCCTG TIATAATACG AGCTTTCCAT CGTGGACGAT Ty Gy Lau Trp Gu Lys Ser Lys Gy Aso No Aso Lau Vel Lys Gn Gy Os
201	
201	TGGCCTTTGG GAGAAATCAA AAGGGGACAT AAATCTTGTA AAACAAGGAT ACCGGAAACC CTCTTTAGTT TTCCCCTGTA TTTAGAACAT TTTGTTCCTA
+1	Os Trp Ser Hs lie Gly Asp Pro Gn Gu Os Hs Tyr Gu Gu Os Var
251	GTTGGTCTCA CATTGGAGAT CCCCAAGAGT GTCACTATGA AGAATGTGTA
	CAACCAGAGT GTAACCTCTA GGGGTTCTCA CAGTGATACT TCTTACACAT
+1	Va Thr Thr Pro Pro Sir lie Gin Asn Gly Thr Tyr Arg Phe Ous Ous
301	GTAACTACCA CTCCTCCCTC AATTCAGAAT GGAACATACC GTTTCTGCTG
	CATTGATGGT GAGGAGGGAG TTAAGTCTTA CCTTGTATGG CAAAGACGAC
+1	Cys Cys Ser Thr Asp Lau Cys Asri Val Asri Phe Thr Giu Asri Phe Pho Pho Pho
351	TTGTAGCACA GATTTATGTA ATGTCAACTT TACTGAGAAT TTTCCACCTC
	AACATCGTGT CTAAATACAT TACAGTTGAA ATGACTCTTA AAAGGTGGAG
+1	Pro Asp Thr Thr Pro Leu Ser Pro Pro His Ser Pre Asn Ang Asp Giu Thr
401	CTGACACAAC ACCACTCAGT CCACCTCATT CATTTAACCG AGATGAGACA
+1	GACTGTGTTG TGGTGAGTCA GGTGGAGTAA GTAAATTGGC TCTACTCTGT
	TO THE
451	ATAATCATTG CTTTGGCATC AGTCTCTGTA TTAGCTGTTT TGATAGTTGC
+1	TATTAGTAAC GAAACCGTAG TCAGAGACAT AATCGACAAA ACTATCAACG Ab Leu Cys Pre Gy Ty Arg Me Leu Tir Gy Asp Arg Lys Gin Gy Leu Hs
501	
301	CTTATGCTTT GGATACAGAA TGTTGACAGG AGACCGTAAA CAAGGTCTTC GAATACGAAA CCTATGTCTT ACAACTGTCC TCTGGCATTT GTTCCAGAAG
+1	His Ser Met Asn Met Met Giu Ala Ala Ser Giu Pro Ser Leu Asp Leu
551	ACAGTATGAA CATGATGGAG GCAGCAGCAT CCGAACCCTC TCTTGATCTA
	TGTCATACTT GTACTACCTC CGTCGTCGTA GGCTTGGGAG AGAACTAGAT
+1	Aso Asn Lau Lys Lau Lau Giu Lau ile Giy Ang Giy Ang Tyr Giy Ala Vai
601	GATAATCTGA AACTGTTGGA GCTGATTGGC CGAGGTCGAT ATGGAGCAGT
	CTATTAGACT TTGACAACCT CGACTAACCG GCTCCAGCTA TACCTCGTCA
+1	Val Tyr Lys Gily Ser Leu Asp Giu Ang Pho Val Ala Val Lys Val Phe Ser Phe
651	ATATAAAGGC TCCTTGGATG AGCGTCCAGT TGCTGTAAAA GTGTTTTCCT
	TATATTTCCG AGGAACCTAC TEGCAGGTCA ACGACATTTT CACAAAAGGA
+1	Phe Ala Asn Ang Gin Asn Phe lie Asn Giu Lys Asn lie Tyr Ang Val Pho
701	TTGCAAACCG TCAGAATTTT ATCAACGAAA AGAACATTTA CAGAGTGCCT
+1	AACGTTTGGC AGTCTTAAAA TAGTTGCTTT TCTTGTAAAT GTCTCACGGA Lau Mat Gku His Asp Asp Ne Ala Asp Pre Ne Ast Gay Asp Clu Am Ala
751	TTGATGGAAC ATGACAACAT TGCCCGCTTT ATAGTTGGAG ATGAGAGAGT
	AACTACCTTG TACTGTTGTA ACGGGCGAAA TATCAACCTC TACTCTCTA

7/9

+1	var mr.	Als /	Asp	Giy An	, Mer	GU	ly Le	U LE	n va	ME	Gu	ty.	ty	MO Agn
801	CACTG	CAG	AT G	GACG	CATG	AAT	ATTI	GCT	TGT	SATG	SAG	TACT	ATC	CCA
	GTGAC													
+1	Asn Gly	Ser	نعا	O ₆ I	ys Ty	Leu-	Ser	LEU .	Hs T	hr Ser	Ada	p Trp	Va	Ser
851	ATGGA													
	TACCT													
+1	Ser O		_				-		~ <u>`</u> ~		_			_
901	TCTTG													
+1	AGAAC Thr Glu I													
		_			/ Asp						Ser		<u> </u>	ASO LEU
951	AGAAT													
+1	TCTTA Leu Asn											GTAG Val		TAA Ser
	Consump Consump	-	<u> </u>											
1001	TAAAC													
+1	Aso Ph													
1051	GACTT	_					_				_		-	_
1051	CTGAA													
+1	GV GU (Ser Gi			Thr				Att Abr
1101	GGAGG.	AAGE	TA	ATGC	AGCCZ	TAL	GCGA	GGT						_
	CCTCC													
+1	Ala Pro				Bu Gly							Glu		
1151	CACCA	GAAG	T G	CTAG	AAGGA	GCT	GTGA	ACT	TGAC	GGAC	TG	TGAA	TCA	GCT
	GTGGT													
+1	ابدا نھا	Gin	Val	Asp	Met 1	y A	Leu	Gly	LBJ	De 7	1	in G	u lie	Pho
1201	TTGAA	ACAA	G T	AGAC.	ATGTA	TGC	TCTT	GGA	CTA	TCTA	TT	GGGA	GAT.	ATT
	AACTT											CCCT	CTA	AAT
+1	Phe Met A	vg c)s	Tr As;	Lau	Pre 1	Pro Gt	y Ga) Sa	Val	Pro	Gu '	Tyr o	3n Met
1251	TATGA													
	ATACT													
+1	Met Ala		Gin	Thr C	_		Asn I			T Phe		Asp	_	
1301	TGGCT													
+1	ACCGA.				GU L									
	-	-				_								
351	CAAGA													
+1	Lys Glu A				A8		ger Der				lie			ys Trp
401	AGAAA					_		·						_
. 101	TCTTT													
+1	Trp Asp				Stu Ala							Glu		
451	GGGAC	CAGG	A T	GCAG	AGGCT	CGG	CTTA	CTG	CACA	GTGT	GC	TGAG	GAD	AGG
	CCCTG													
+1	Met Ala	Giu	Leu	Met	Med I	le Tr	Gu	Arg	Asn	Lys Se	r v	a Se	Pro	Thr
501	ATGGC	TGAA	CT	TATG	ATGAT	TTG	GGAA	AGA	AACA	AATC	TG	TGAG	ccc	AAC
	TACCG					AAC	CCTT	TCT	TTGT	TTAG	AC	ACTC	GGG'	rrg
+1	Thy Val A	en F	n of	Ant Ser	Thr	Ala M	Ast Gir	n Asr	Gu	Ag	Aan	؛ نعا	Ser F	tis Aen
551	AGTCA	ATCC	AA	TGTC	FACTG	CTA	TGCA	GAA	TGA	CGCA	AC	CTGT	CAC	ATA
	TCAGT	ragg	T T.	ACAG2	ATGAC	GAT	ACGT	CTT	ACTI	GCGI	TG	GACA	GTG'	TAT

8/9

	As any my war and ups lie Gry and light and Asp lyr Sar Sar Sar	Ser
1601	1 ATAGGCGTGT GCCAAAAATT GGTCCTTATC CAGATTATTC TTCCTCC	TCA
	TATCCGCACA CGGTTTTTAA CCAGGAATAG GTCTAATAAG AAGGAGG	AGT
+	+1 Tyr lle Giu Asp Ser lle His His Thr Aso Ser lle Val Lys Asn le	
1651	1 TACATTGAAG ACTCTATCCA TCATACTGAC AGCATCGTGA AGAATAT	mmC.
	ATGTAACTIC TGAGATAGGT AGTATGACTG TCGTAGCACT TCTTATA	AAG
+1	*1 SerSerGiu His SerMet Ser SerThr Pro Leu Thr lie Gey Giu Lys /	Asn Arp
1701	1 CTCTGAGCAT TCTATGTCCA GCACACCTTT GACTATAGGG GAAAAAA	200
	GAGACTCGTA AGATACAGGT CGTGTGGAAA CTGATATCCC CTTTTTT	TGG
+1	ri Ang Asn Ser like Asn Tyr Giu Ang Gin Gin Ala Gin Ala Ang like Pro	
1751	GAAATTCAAT TAACTATGAA CGACAGCAAG CACAAGCTCG AATCCCC	200
	CTTTAAGTTA ATTGATACTT GCTGTCGTTC GTGTTCGAGC TTAGGGG	TCC
+1	-1 Pro Giu Thr Ser Vai Thr Ser Leu Ser Thr Asn Thr Thr Thr Thr Asn	
1801	CCTGAAACAA GTGTCACCAG CCTCTCCACC AACACAACAA CCACAAA	
	GGACTITGIT CACAGTGGTC GGAGAGGTGG TTGTGTTGTT GGTGTTT	OTC.
+1		
1851		
	GTGTCCTGAG TGCGGTTCAT GACCGTACTG ATGATATAGA CTCTACG	-AI
+1		
1901		
	TGGGTCTACT TTGTTTAGAC GTATGGTGTT TACAACGTGT CAGTTAAC	366
+1	1 Pro Thr Pro Val Cys Leu Gn Leu Thr Glu Gu Asp Leu Glu Thr Asn	100
1951		
	GGTTGGGGAC AGACGAATGT CGACTGTCTT CTTCTGAACC TTTGGTTC	AA.
+1	1 tys Lau Asp Pro Lys Gu Val Asp Lys Asn Lau Lys Gu Ser Ser Asp G	
2001		
	CGATCTGGGT TTTCTTCAAC TATTCTTGGA GTTCCTTTCG AGACTACT	GA
+1	1 Ann Leu Met Glu His Ser Leu Lys Gin Phe Ser Giv Pro Aso Pro Leu	
2051	ATCTCATGGA GCACTCTCTT ARACAGTTCA GTGGCCCAGA CCCACTGA	
	TAGAGTACCT CGTGAGAGAA TTTGTCAAGT CACCGGGTCT GGGTGACT	.GC
+1	Ser Thr Ser Ser Ser Lau Lau Tyr Pho Lau He Lys Lau Ala Wai Gau	Alex
2101		
	TCATGATCAA GATCGAACGA AATGGGTGAG TATTTTGAAC GTCATCTT	200
+1	Ala Thr Gly Gin Gin Asp Phe Thr Gin Thr Ala Asn Gly Gin Ala Cys Le	u ke-
2151		
	TTGACCTGTC GTCCTGAAGT GTGTCTGACG TTTACCGGTT CGTACAAA	CT
+1	lie Pro Asp Val Lau Pro Thr Gin lie Ty Pro Lau Pro Lys Gin Gin J	
2201	TTCCTGATGT TCTGCCTACT CAGATCTATC CTCTCCCCAA GCAGCAGA	
	AAGGACTACA AGACGGATGA GTCTAGATAG GAGAGGGGTT CGTCGTCT	TC
+1	Leu Pro Lys Arg Pro Thr Ser Leu Pro Leu Asn Thr Lys Asn Ser Thr	lve
2251	CTTCCCAAGA GACCTACTAG TTTGCCTTTG AACACCAAAA ATTCAACA	
	GAAGGGTTCT CTGGATGATC AAACGGAAAC TTGTGGTTTT TAAGTTGT	mm mm
+1	tys Glu Pro Arg Lau Lys Pre Gly Ser Lys His Lys Ser Aen Leu Lys Gu	. Val
2301	AGAGCCCCGG CTAAAATTTG GCAGCAAGCA CAAATCAAAC TTGAAACA	
	TCTCGGGGCC GATTTTAAAC CGTCGTTCGT GTTTAGTTTG AACTTTGT	TC
+1	Val Giu Thr Giy Val Ala Lys Mox Asn Thr lie Asn Ala Ala Giu Pro h	ts.
2351	TCGAAACTGG AGTTGCCAAG ATGAATACAA TCAATGCAGC AGAACCTC	
	AGCTTTGACC TCAACGGTTC TACTTATGTT AGTTAGGTGC TCTTGGAG	21

+1	Vä	Vä	Thr	Var	Tir	Met	Aan	Gly	Var	Ala	Gly	Arg	Asn	His	Ser	Val	Agn
2401	GTG	GTG	ACAG	TC	ACC	ATGA	AA :	rgg7	GTG	GCA	GGT	A GA	AACC	AC	AGT	GTI	AA
	CAC	CAC	TGTO	: AG	TGG	TACI	T i	ACCA	CAC	CGT	CCA	TCT	TTGG	TG	TCA	CAA	TT
+1	Asn Se	r His	: Ain	At	Tit o	Thr	G	n Ty	r Ale	a As	n An	Th:	· Va	Le	u Se	r G	y On
2451	CTC	CCA	TGCI	GC	CAC	AACO	c a	AATA	TGC	CAA	TAG	GAC	AGTA	СТ	ATC	TGG	cc
	GAG	GGT.	ACGA	CG	GTG'	TTG	3G 1	TAT	ACG	GTT	ATC	CTG	TCAT	GA	TAG	ACC	GG
+1	-Gin	Dr 1	Dr A	sn .	lle V	a ·	Pτ	His	Arg /	Ala.	Gh ·	GU 1	Ant L	au (Gin A	en	Gn
2501	AAA	CAA	CCAA	CA	TAG'	TGA	'A	CATA	GGG	ccc	AAG	AAA	TGTT	GC	AGA	ATC	AG
	TTT	GTT	GGTT	GT.	ATC	ACTO	T (STAT	ccc	GGG	TTC	TTT	ACAA	CG	TCT	TAG	TC
+1	Phe	ile	Gly	Gu	Asp	TΗ	Arg	Leu	Asn	lle	Aan	Ser	Ser	Pro	Asp	Gu	Hs
2551	TTT	ATT	GGTG	AG	GA C	ACCO	G	CTO	AAT	ATT	AAT	TCC	AGTO	CT	GAT	GAG	CA
	AAA	TAA	CCAC	TC	CTG:	rgge	C (CGAC	TTA	TAA	TTA	AGG	TCAG	GA	CTA	CTC	GT
+1	His Gi) Pro	Leu	Lea	Arg	Arg	G	u G	n Gir	n Ai	a G	y His	, Asp	Gi	G (y Va	رها ا
2601	TGA	GCC'	TTTA	CT	GAG	ACGA	iG 2	AGCA	ACA	AGC	TGG	CCA	TGAT	GA	AGG	TGT	TC
	ACT	CGG	TAAA	GA	CTC:	rgcī	c :	rcg1	TGT	TCG	ACC	GGT.	ACTA	CT	TCC	ACA	AG
+1	teu A	ep A	ng L	eu V	/8 A	sp A	vng	Arg	Glu A	Arg .	Pro I	eu o	3ku o	≅y t	3ly /	lang '	Πτ
2651	TGG	ATC	STCT	TG	TGG	ACAG	G Z	AGGG	AAC	GGC	CAC	TAG.	AAGG	TG	GCC	GAA	CT
	ACC	TAG	CAGA	AC	ACC:	FGTC	:c :	rccc	TTG	CCG	GTG	ATC	TTCC	AC	CGG	CTT	GA
+1	Asn	Ser	Asn	Asn	Asn	Asn	Ser	Asn	Pro	Оys	Ser	Giu	Gh	Asp	Var	Leu	Ab
2701	AAT	TCC	ATA	AC	AAC	AACA	G (CAAT	CCA	TGT	TCA	GAA	CAAG	AT	GTT	CTT	GC
	TTA	AGG'	TAT	TG	rtg:	FTGT	C C	STTA	GGT	ACA	AGT	CTT	GTTC	TA	CAA	GAA	CG
+1	Ala Gi	Gł,	Va	Px	Ser	Thr	Ali	a Al	ASC	P	G G	y Pro	Ser	عوا	Pπ	Arg	Arg
2751	ACA	GGG:	TGTT	CC	AAG	CACA	G (CAGC	AGA'	TCC	TGG	GCC.	ATCA	AA	GCC	CAG	AA
	TGT	CCC	ACAA	GG*	TTC	TGT	c c	STCG	TCT	AGG	ACC	CGG'	FAGT	TT	CGG	GTC	TT
+1	Arg /	Na C	an A	rg F	TO A	an S	er	Lau.	Asp t	au :	Ser /	Na 7	'n Α	sn ۱	/a t	ا بم	sp
2801	GAG	CAC	AGAG	GC	CTA	ATTO	T	TGG	ATC:	TTT	CAG	CCA	CAAA	TG	TCC	TGG	AT
	CTO	GTG:	rcrc	CG	TAE:	raac	A C	GACC	TAG		GTC	GGT	STTT	AC.	AGG.	ACC	ΤÀ
+1	Gly	Ser	Ser	le	Gin	Be	Gly	Glu	Ser	Πτ	Gn	Asp	Gly	Lys	Ser	Gly	Ser
2851	GGC.	AGC	AGTA	TA	CAG	ATAG	G 1	rgag	TCA	ACA	CAA	GAT	GGCA	AA	TCA	3GA	TC
	CCG	TCG:	CAT	AT	GTC.	CTAT	C A	CTC	AGT:	TGT	GTT	CTA	CCGT	TT.	AGT	CCT	AG
+1	Ser Gily	Glu	عرا	lle	Ly6	Lys	Ar	y Va	Lys	Th	r Pro) Tyr	Ser	Les	Lys.	Αţ	Trp
2901	AGG	rgaj	AAG	AT	CAAC	SAAA	c	STGT	GAA	AAC	TCC	CTA:	TTCT	CT	TAA	GCG	GT
	TCC.	ACT:	TTTC	TA	TTT(TTT	G (CACA	CTT:	TTG	AGG	GAT	RAGA	GA	ATT	cgc	CA
+1	Trp A	ng P	to S	er 1	h I	p \	ta .	lle	Ser T	ÌΤ I	Gl⊍ 5	er L	eu A	sp C)s (au V	/a
2951	GGC	3CC	CTC	CA	CCTO	GGT	'C I	ATCT	CCA	CTG	AAT	cgc:	rgga	CT	GTG.	AAG	TC
													ACCT				
+1	Asn	Asn	Asn	Giy	Ser	Asn	Arg	Ala	Val	His	Ser	Lys	Ser	Ser	Thr	Ala	Val
3001													rcca				
													AGGT	CG	rga:		
+1	Val Tyr	LEU	Ata	Gi	Gly	Gy	Th	- A	Thr	Th	Me	Val	Ser	8پدا	Asp	lle	Gy
3051													STCT				
						CCG	T	ACG	ATG:	TTG	GTA	CCA	CAGA	TT:	CT	ATA	TC
+1	Gy N	NE A	an O	e L	au "	_											
3101			ACTG														
	CTT	ACT:	rgac	AG	CAC	T											